Performance Data Sheet

AJA5518EXD

General Information

Model	AJA5518EXD	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	23700	22200					
	Watts							
	Amps	13.3	11.8					
	Lb/h	550	518					
-10	Btu/h	20300	18900	17400				
	Watts							
	Amps	12.1	10.9	9.72				
	Lb/h	450	421	394				
-5	Btu/h	17900	16500	15100	13700			
	Watts							
	Amps	11.2	10.2	9.22	8.34			
	Lb/h	370	343	319	296			
0	Btu/h	16200	14900	13500	12200	11000		
	Watts							
	Amps	10.4	9.61	8.87	8.20	7.58		
	Lb/h	308	284	262	242	223		
5	Btu/h	15300	14000	12700	11400	10200		
	Watts							
	Amps	9.85	9.21	8.66	8.19	7.75		
	Lb/h	263	241	221	203	187		
10	Btu/h	15100	13800	12500	11300	10100	8850	7660
	Watts					470	1420	2330
	Amps	9.41	8.94	8.57	8.27	8.01	7.78	7.53
	Lb/h	233	214	196	180	165	151	137
15	Btu/h	15500	14200	12900	11700	10500	9240	8040
	Watts				349	994	1610	2190
	Amps	9.09	8.78	8.57	8.43	8.34	8.26	8.18
	Lb/h	217	199	183	168	155	142	130
20	Btu/h	16400	15100	13800	12600	11300	10100	8860
	Watts		278	688	1080	1440	1780	2090
	Amps	8.88	8.72	8.66	8.66	8.71	8.78	8.84
	Lb/h	212	196	181	168	156	144	133

25	Btu/h	17700	16400	15100	13900	12600	11300	10000
	Watts	1130	1320	1500	1660	1810	1930	2040
	Amps	8.76	8.74	8.80	8.94	9.12	9.31	9.50
	Lb/h	218	203	189	177	166	155	145
30	Btu/h	19400	18100	16800	15500	14200	12800	11500
	Watts	2090	2100	2110	2110	2090	2070	2030
	Amps	8.72	8.81	8.99	9.24	9.53	9.84	10.1
	Lb/h	231	217	205	194	183	173	163
35	Btu/h	21400	20100	18700	17400	16000	14600	13200
	Watts	2710	2610	2510	2410	2300	2190	2070
	Amps	8.72	8.91	9.19	9.54	9.93	10.3	10.7
	Lb/h	251	238	226	216	206	197	187
40	Btu/h	23700	22200	20800	19400	18000	16500	15000
	Watts	3020	2860	2710	2570	2430	2290	2150
	Amps	8.77	9.04	9.40	9.84	10.3	10.8	11.3
	Lb/h	275	263	252	242	233	223	214
45	Btu/h	26000	24500	23100	21600	20000	18500	16900
	Watts	2990	2840	2710	2590	2470	2370	2270
	Amps	8.82	9.16	9.60	10.1	10.6	11.2	11.8
	Lb/h	303	291	281	271	261	252	242
50	Btu/h	28400	26900	25300	23700	22100	20500	18800
	Watts	2630	2560	2500	2460	2440	2430	2430
	Amps	8.87	9.27	9.76	10.3	10.9	11.5	12.1
	Lb/h	332	320	310	300	291	281	271
55	Btu/h	30800	29200	27500	25900	24100	22400	20600
	Watts	1940	2000	2080	2190	2320	2470	2640
	Amps	8.90	9.34	9.86	10.5	11.1	11.7	12.4
	Lb/h	360	348	338	328	318	308	298

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.839090E+04	-2.596177E+04	2.352648E+01	6.264246E+02
C2	-3.665794E+02	1.422489E+03	-4.548287E-01	-1.528086E+01
C3	-1.656712E+02	2.312491E+02	-2.649142E-01	-5.823258E+00
C4	1.706045E+01	-1.637376E+01	5.759055E-03	3.731955E-01
C5	1.887725E+00	-1.143263E+01	4.026288E-03	6.803124E-02
C6	1.707235E-01	-1.429328E-01	1.600346E-03	2.802863E-02
C7	-1.017864E-01	-7.525590E-04	-2.519528E-05	-2.312152E-03
C8	-2.572088E-02	1.236856E-01	-3.050039E-05	-4.525198E-04
C9	-5.646523E-03	6.449129E-03	-2.569921E-07	-1.181902E-04
C10	1.656584E-06	-3.125122E-04	-4.166691E-06	-6.250005E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature